

□ Product outline & features

No need to modify or exchange any parts, easy to put on any bikes and use as E-bikes. It's super compact, super light weight, a new concept for electric power conversion kit.

New concept Multi-function structure

- Any bikes!
- Any sizes!
- Ground breaking running gear

Ultra compact and Lightweight

- **2.6 kg** (Including battery)

Easy installation

- Easy installation to existing bikes without having to modify or change parts

Keeping style

- Keeping integrity of current bike.
- For commuting and long distance cycling

Constant run & without any load

- Proportional speed control
- Constant electric run without pedal
- No load without electric

Advanced technology of safety device

- Prevent a sudden start. Slow Start
- Stop power when brake is applied
- Automatically stop low power /over load
- Protection circuit & balance charging

Powerful & high efficiency

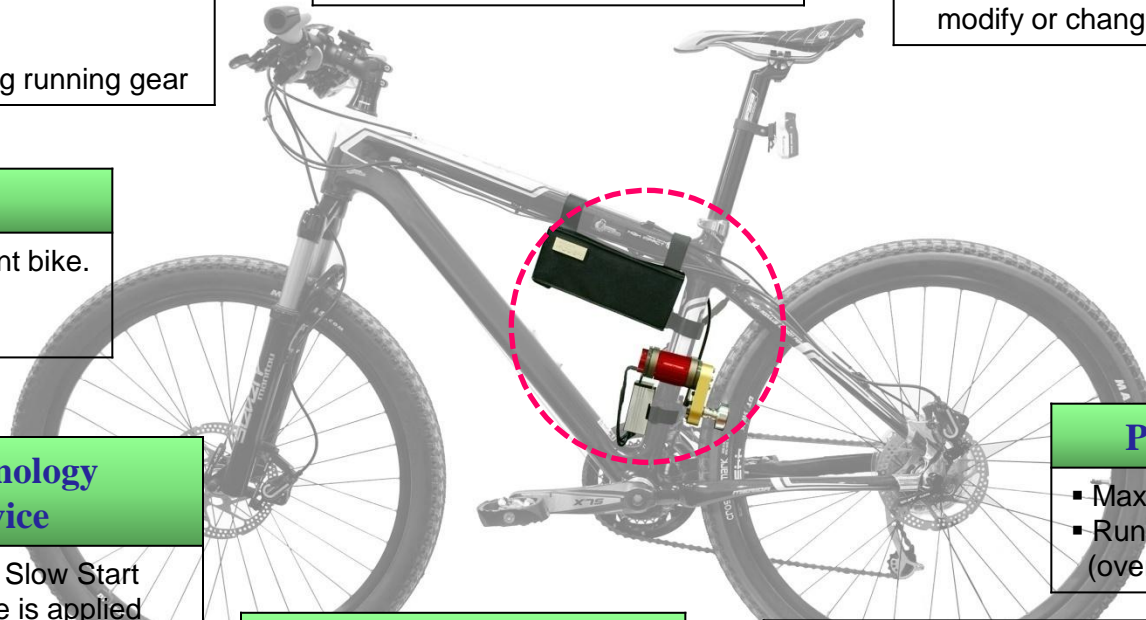
- Max speed approx. 30Km/h
- Running approx. for 1Hr without pedal (over 2hours with pedal)

High quality & durability

- Using high quality material
- Handmade products
- Made in Korea

Easy maintenance

- Simple maintenance due to simple structure
- Simple and quick exchange of parts
- Warrants for 6 months



□ Specifications

※ According to different countries E-bike laws, the specification is different.

Items		Specification
Motor		<ul style="list-style-type: none"> ▪ 230~330W capacity Brushless DC Motor (Apply to relevant countries) ▪ Applied cooling efficiency heat sink with High quality bearing ▪ MX-1/MX-2 Series : Rated power 250~330W, Momentary max. power 750W ▪ MV-1/CT-1 Series : Rated power 230~300W, Momentary max. power 700W
Electronic Controller		<ul style="list-style-type: none"> ▪ Applied 80A Capacity high technology senseless algorithm. ▪ Proportional speed control by accelerator dial ▪ Cuts Off low and high voltage ▪ Applicable to volume dial type, hall sensor grip type, PAS type
Battery		<ul style="list-style-type: none"> ▪ PolyQuest Li-Polymer : 14.8V / 18A, 16.8V when fully charged (A Type) ▪ LiFePO4 : 13.2V / 15A, 14.4V when fully charged (B Type) ▪ Charging/Discharge approx. 500 times for A type, 1500 times for B type ▪ A built-in PCM (Protection Circuit Module) ▪ Full individual cell charging system ▪ 4-level LED checker
Charger		<ul style="list-style-type: none"> ▪ Input : 100~240V, 50~60Hz ▪ Output : +16.8V, 2.5A (Li-Polymer), +14.4V, 3A (LiFePO4) ▪ 3-level LED display of remaining batter level ▪ Compliant to global safety standards
Performance		<ul style="list-style-type: none"> ▪ Maximum speed : Approximately 30km/h(without pedaling) ▪ Running time : Approx. 1 hour(without pedaling), More than 2 hour(with pedaling) ▪ Distance: Approx. 30Km/h(without pedaling), More than 50Km/h(with pedaling) ※ May vary upon the type of bicycle, rider's weight, road condition and wind speed (Conditions : Bike 10Kg, Adult 75Kg on the pavement, without wind)
Total Weight	<p style="text-align: center; font-size: 1.2em; color: red;">2.6Kg</p>	<ul style="list-style-type: none"> ▪ 2.68Kg (including Li-Po battery) – MX-1 ▪ 2.5~2.6Kg (including Li-Po battery) – MV/CT Series ※ According to weight difference on mount & decelerator of Mini-Velo or city bike

★ The product design and trade mark is applied to patent for domestic/overseas and comply with domestic E-bike regulation and international safety standards.

□ Examples of conversion kits applied to MTB



☞ MX-1

- It's manual of side tire rolling way which can be pedal at no load status, when use electric power can manually rub-rolling on the tire.
- Can be used for normal MTB which keeps tire tread
- This kit can be used continuously even changing bike or tire. (Can adjust the distance according to size)

MX-2 ☞

- The motor attaches to the surface of the rear wheel. At normal riding pedaling can be done. Using electric, the friction roller automatically adjust to press against the rear wheel when controlling speed. When not using electric, the friction roller adjusts automatically to reduce friction between motor and the wheel.
- Only for flat road tire which is no tread under tire.



□ Why HiddenPower?

● Example of conversion kit onto pre-fabricated bike



- Bike maker : ALTON RCT R7
 - Frame : Aluminum Frame
 - Rear Delayer SRAM 7 Step
 - Brake : Alloy calliper
 - Bike consumer price : 325\$
 - Total weight of Kit loaded bike : 13kg/ea
 - Electric Max. Speed : Approx. 30Km/h
 - Running distance : without pedal 30Km,
with pedal over 50Km
 - Consumer Price : 1,250~1,500\$
- ※ Any bike can use electric kit to make a finished E-bike at weight of 12-14kg

★ A/S : Other conversion kits uses a way of hub motor , so when it is broken should be changed whole wheel and cost a lot of time because of complicated wiring & structure.
But Hidden Power is very simple and easy for removable and recycling.
The advantage is save cost and quick repair and maintenance.

NO.1 LIGHTEST ELECTRIC KIT

NO NEED TO MODIFY OWN BIKE

HIGH TORQUE, HIGH EFFICIENCE

CAN BE APPLIED TO ANY BIKE

HIGH TECHNOLOGY FOR SAFETY

MADE IN KOREA & HAND MADE